

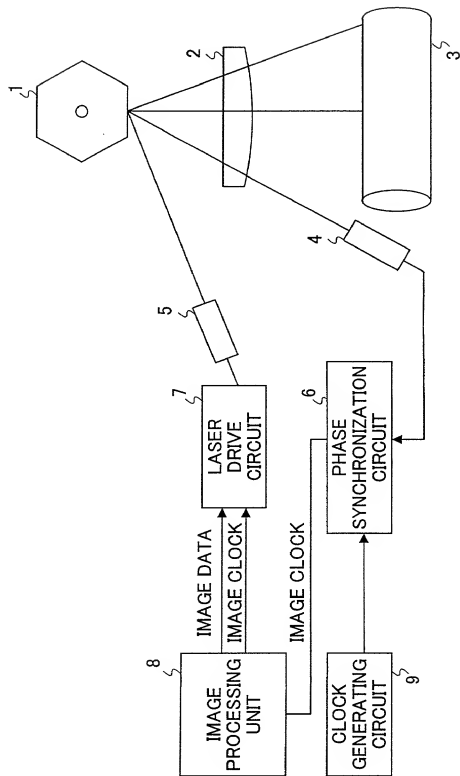
[illegible]

FIG.2A PRIOR ART

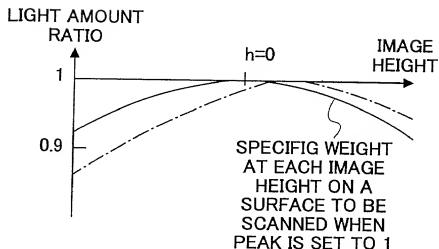
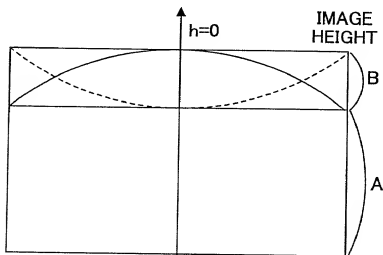


FIG.2B PRIOR ART



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FIG. 3

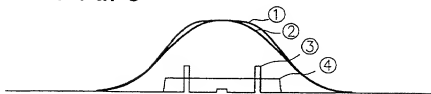


FIG. 4

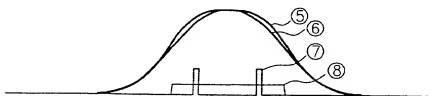


FIG. 5

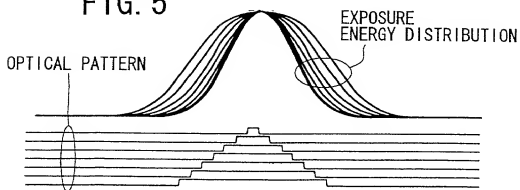


FIG. 6

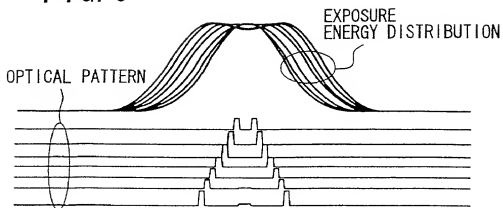


FIG. 7

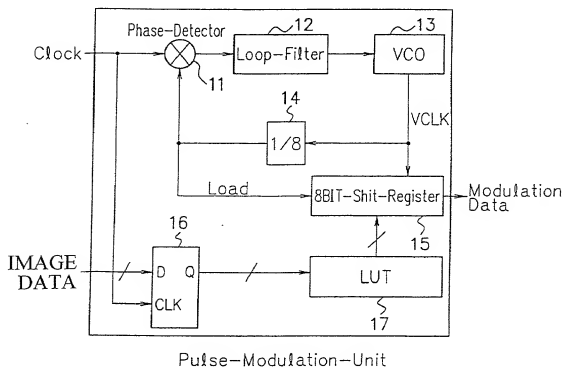


FIG. 8

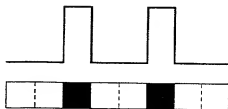
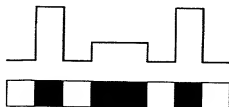


FIG. 9



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FIG. 11

FIG.11

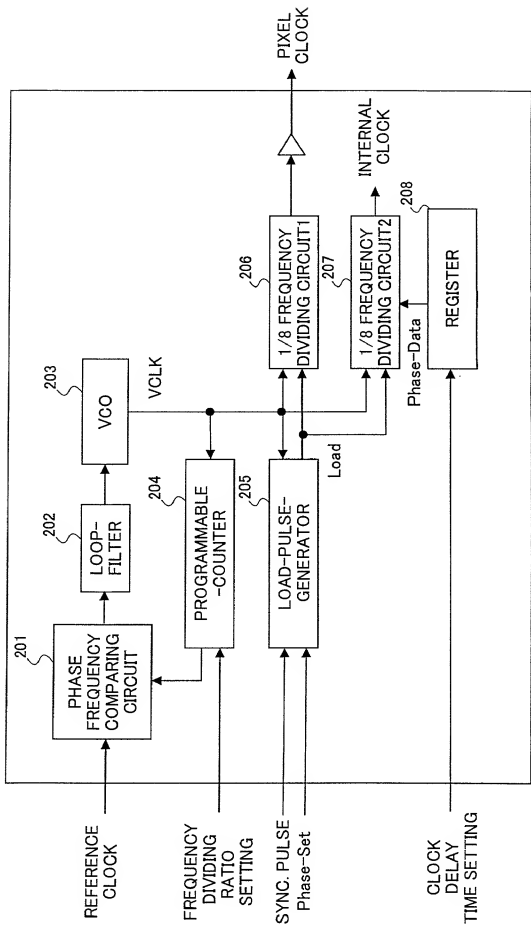


FIG. 12

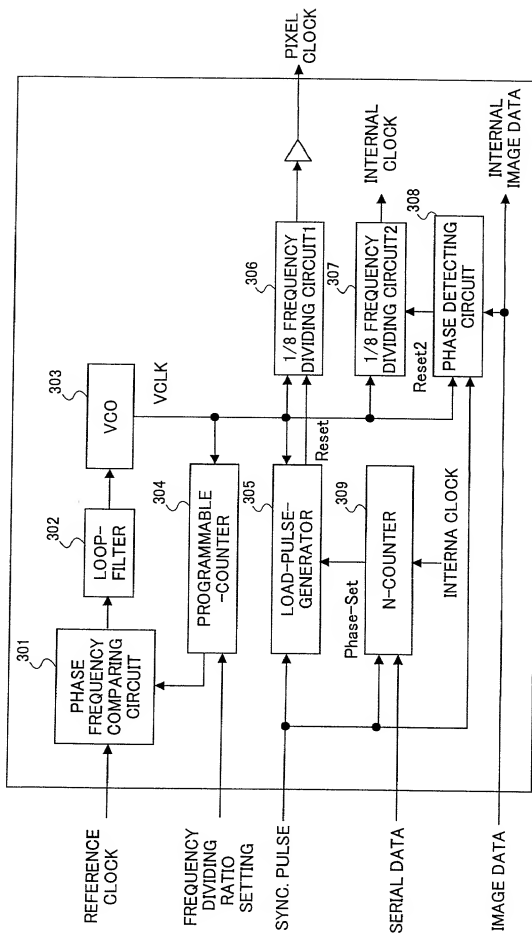
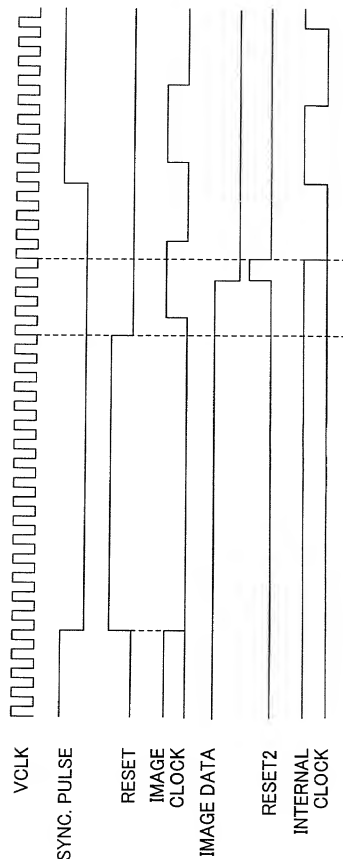




FIG.13



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FIG.14

D0.D1	PD2	PD1	PD0	D0.D1	QD2	QD1	QD0	D0.D1	RD2	RD1	RD0	OUTPUT PULSE			
1	0	0	0	2	0	0	0	3	0	0	0				
			1				1				1				
		1	0			1	0			1	0				
	1	0	0		1	0	0		1	0	0				
			1				1				1				
		1	0			1	0			1	0				
D2.D3	PD5	PD4	PD3	D2.D3	QD5	QD4	QD3	D2.D3	RD5	RD4	RD3	OUTPUT PULSE			
			1				SELECTION PULSE				1				
		1	0			1	0			1	0				
	1	0	0		1	0	0		1	0	0				
			1				1				1				
		1	0			1	0			1	0				
1	0	0	0	2	0	0	0	3	0	0	0				
			1				1				1				
		1	0			1	0			1	0				
	1	0	0		1	0	0		1	0	0				
			1				1				1				
		1	0			1	0			1	0				

11:00:25.230

FIG. 15

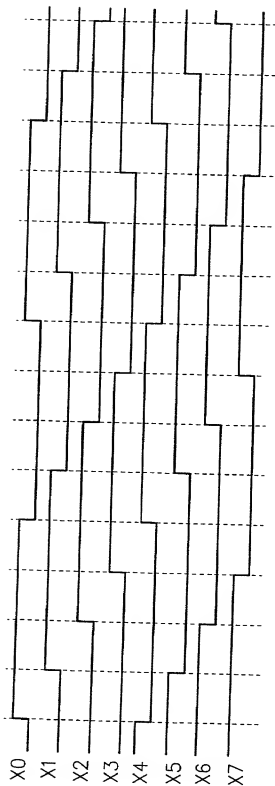
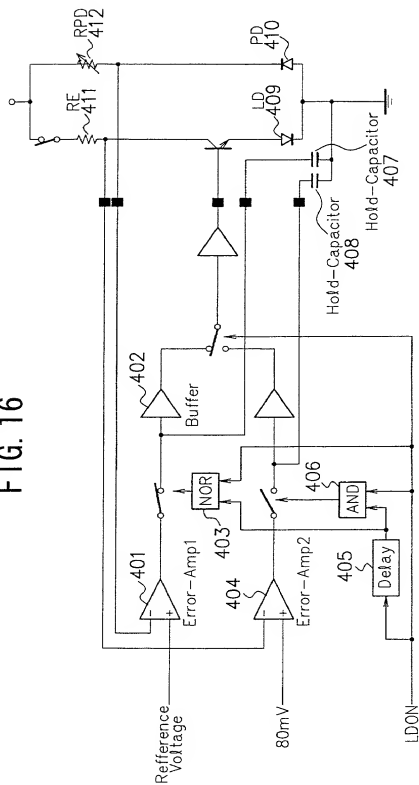


FIG. 16



$\mathcal{H}_1 = \{ \mathbf{h}_1, \mathbf{h}_2, \dots, \mathbf{h}_M \}$  and  $\mathcal{H}_2 = \{ \mathbf{h}_{M+1}, \mathbf{h}_{M+2}, \dots, \mathbf{h}_{M+N} \}$  are the two sets of hypotheses. The first set  $\mathcal{H}_1$  contains  $M$  hypotheses, and the second set  $\mathcal{H}_2$  contains  $N$  hypotheses. The total number of hypotheses is  $M+N$ . The hypotheses are represented as vectors in a  $d$ -dimensional space. The first  $M$  hypotheses are in  $\mathcal{H}_1$ , and the next  $N$  hypotheses are in  $\mathcal{H}_2$ . The hypotheses are represented as  $\mathbf{h}_1, \mathbf{h}_2, \dots, \mathbf{h}_{M+N}$ . The hypotheses are represented as  $\mathbf{h}_1, \mathbf{h}_2, \dots, \mathbf{h}_{M+N}$ .

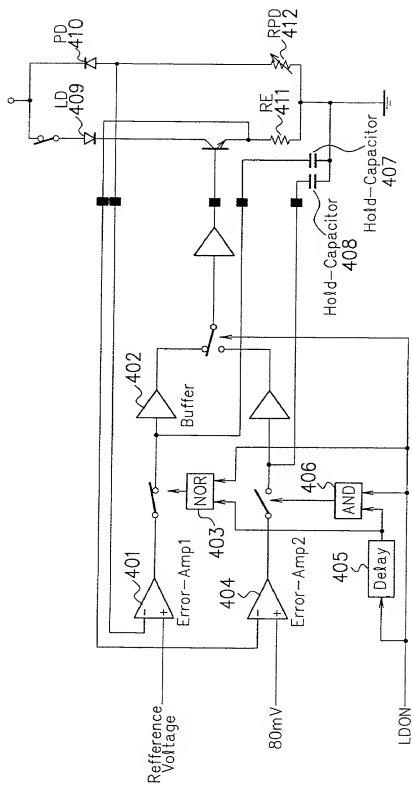


FIG. 18

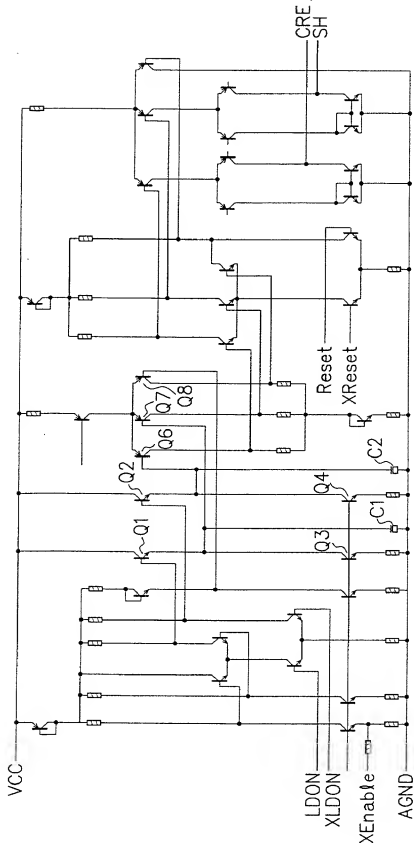


FIG. 19

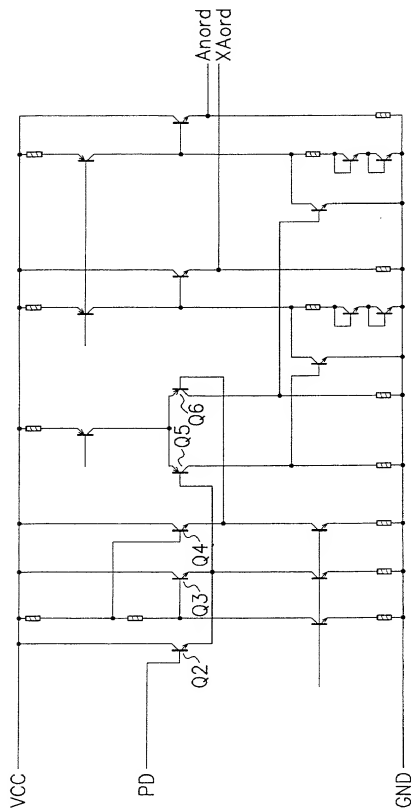


FIG. 20

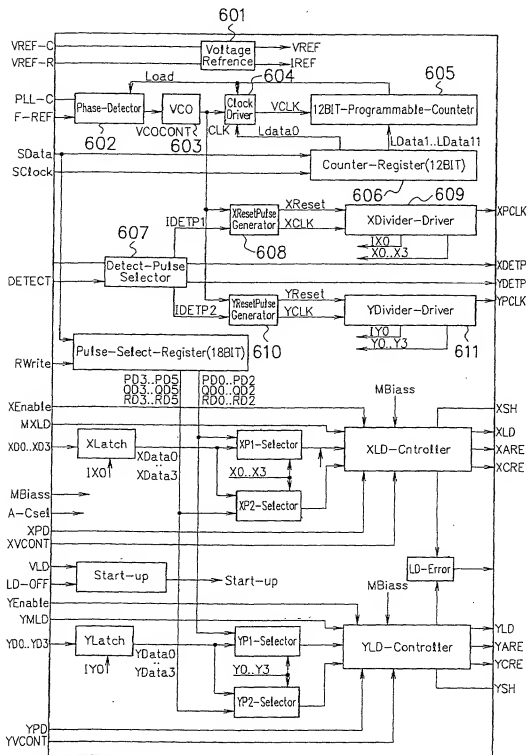




FIG. 21

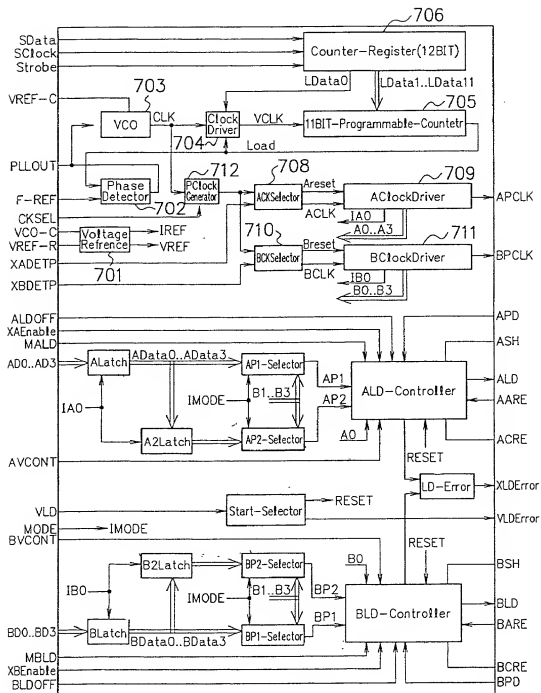


FIG.22

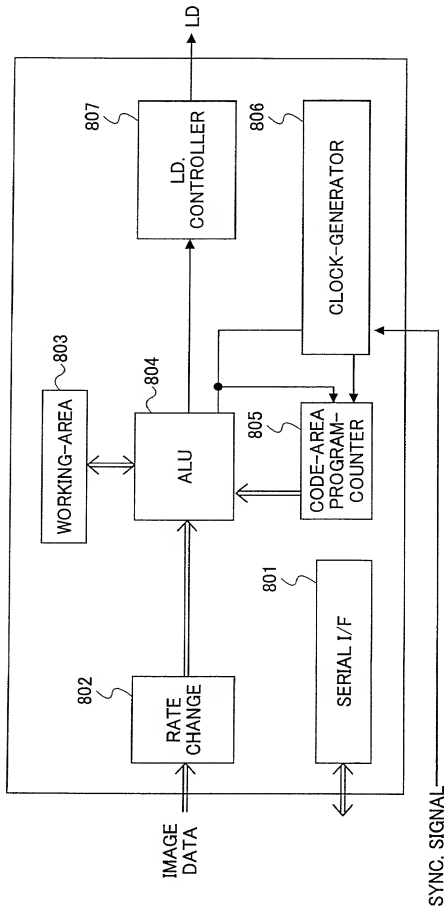


FIG.23

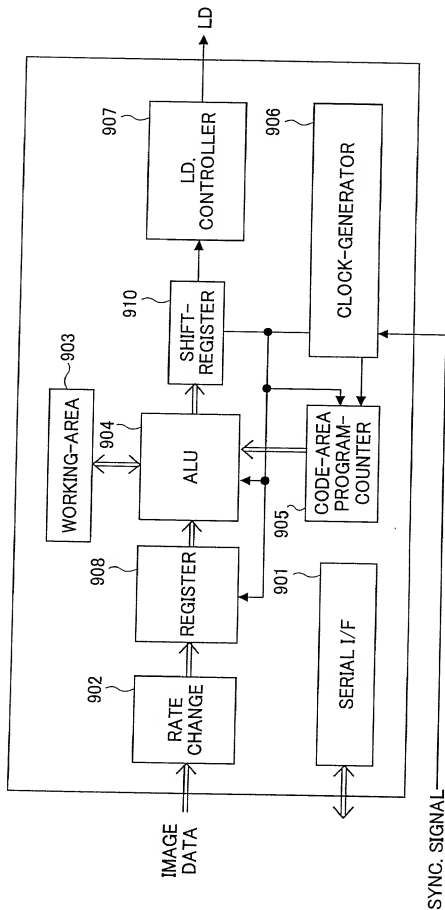


FIG. 24

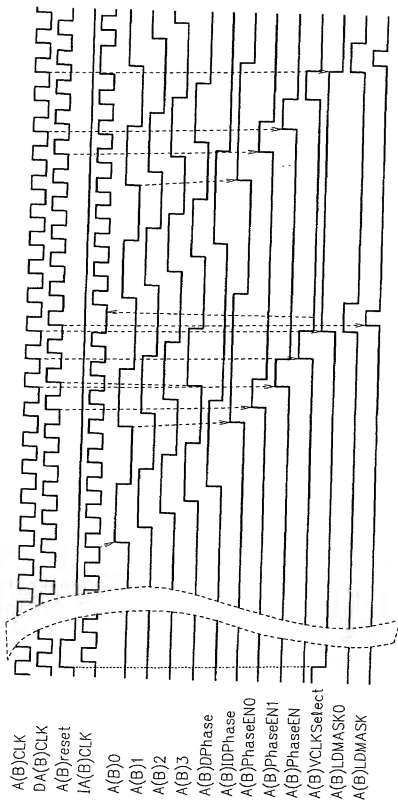


FIG. 25

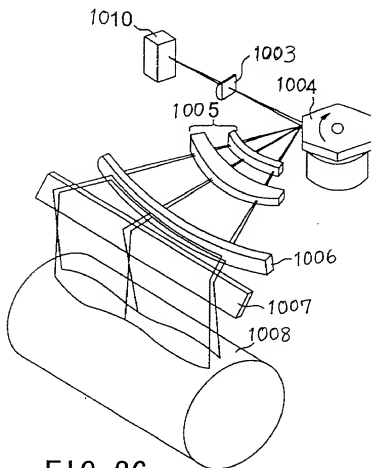
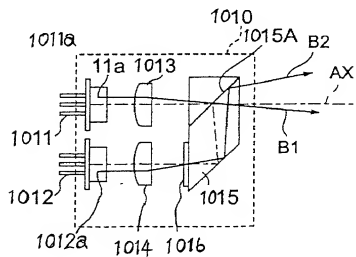


FIG. 26



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FIG.27A

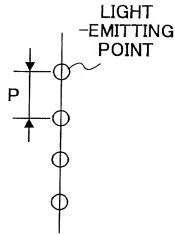


FIG.27B

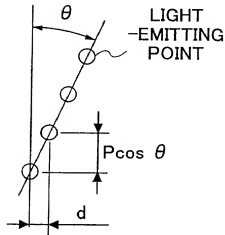




FIG.29

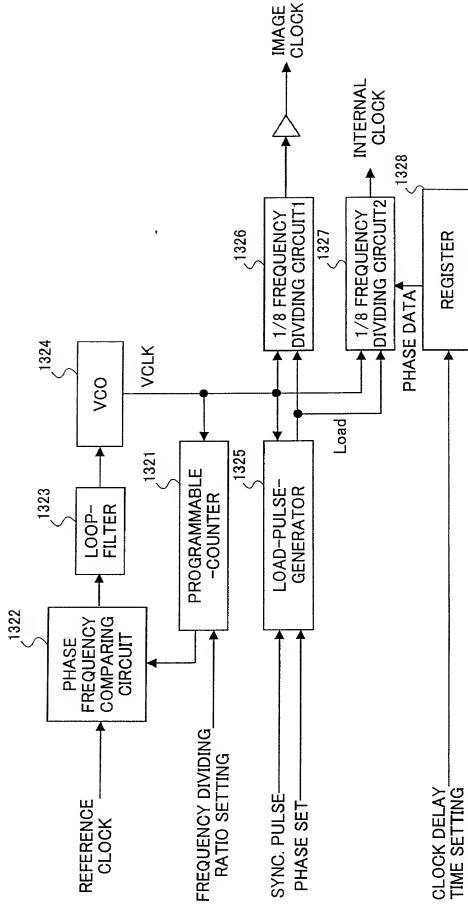




FIG.30

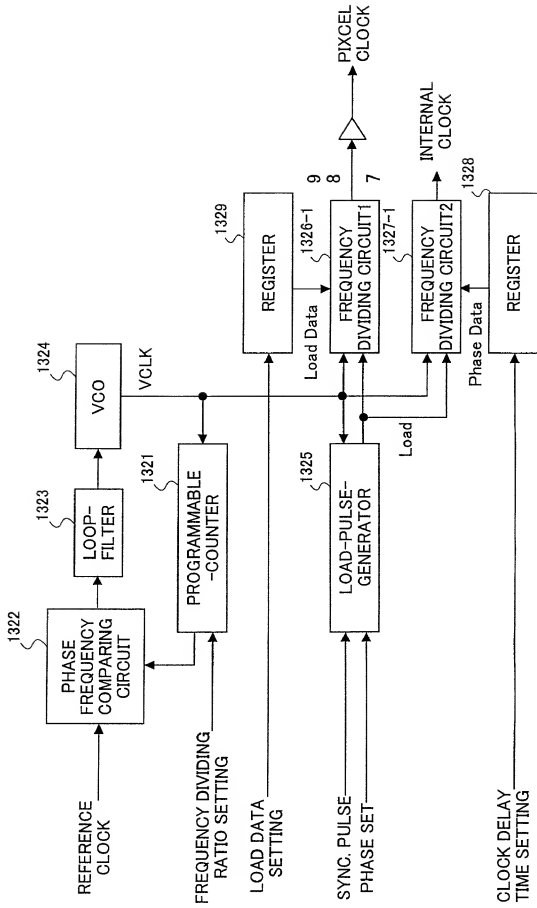


FIG. 31

FIG.31

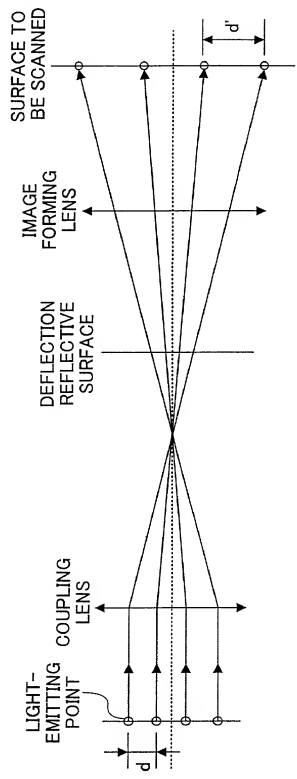
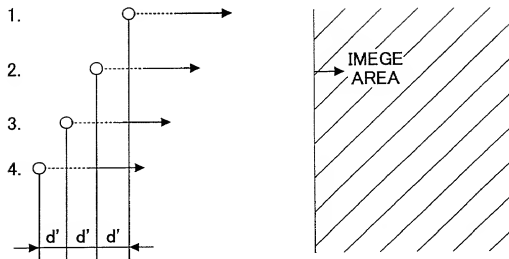


FIG.32



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FIG. 33

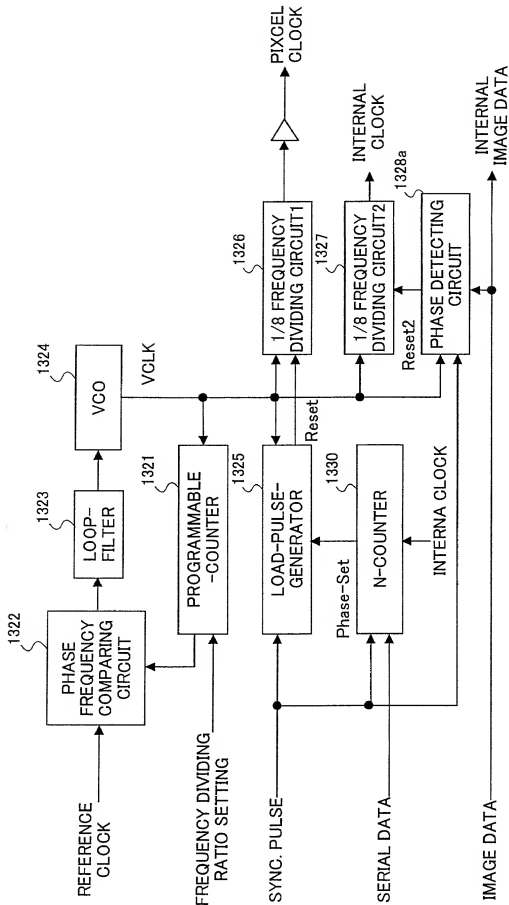


FIG.34

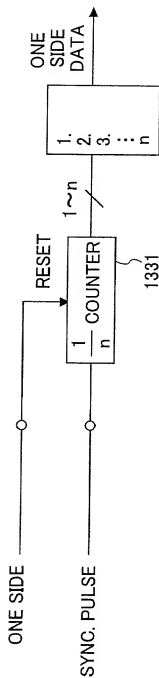


FIG.35

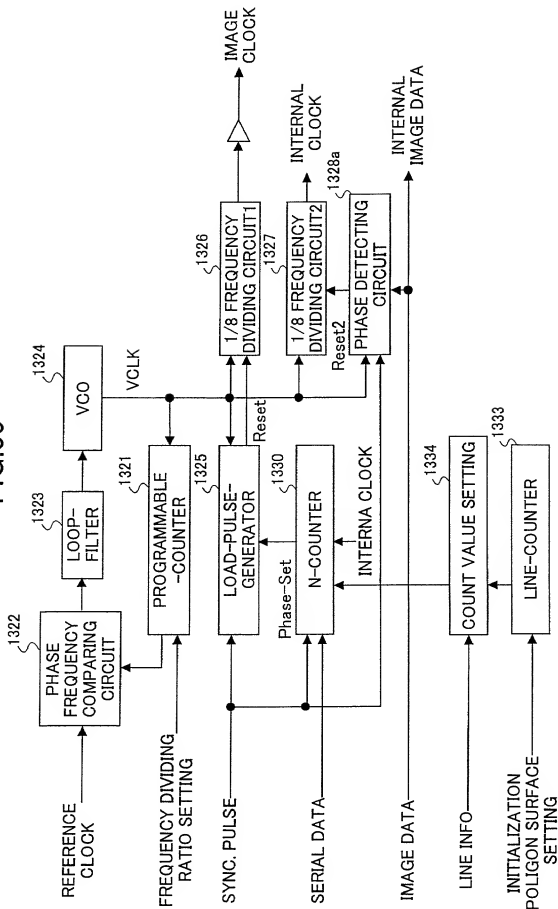


FIG. 36

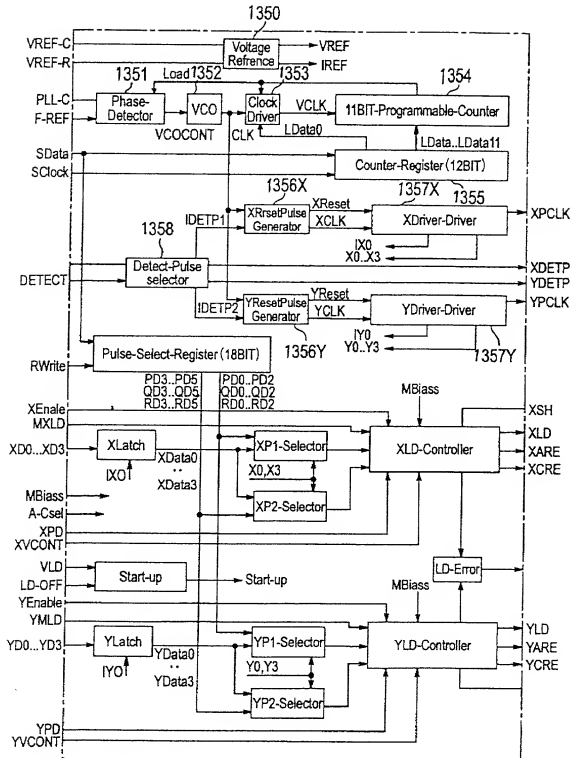


FIG. 37

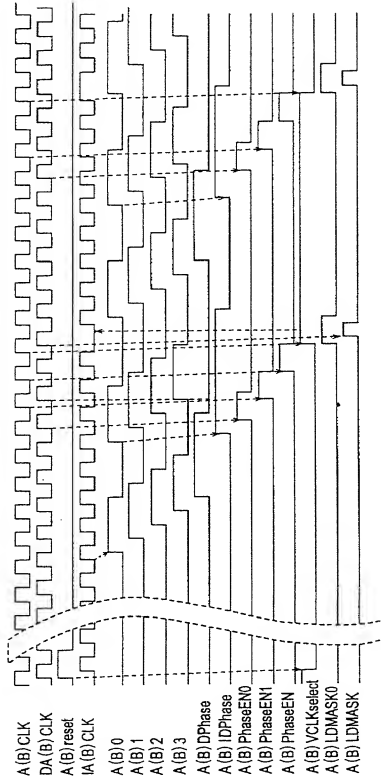




FIG. 38

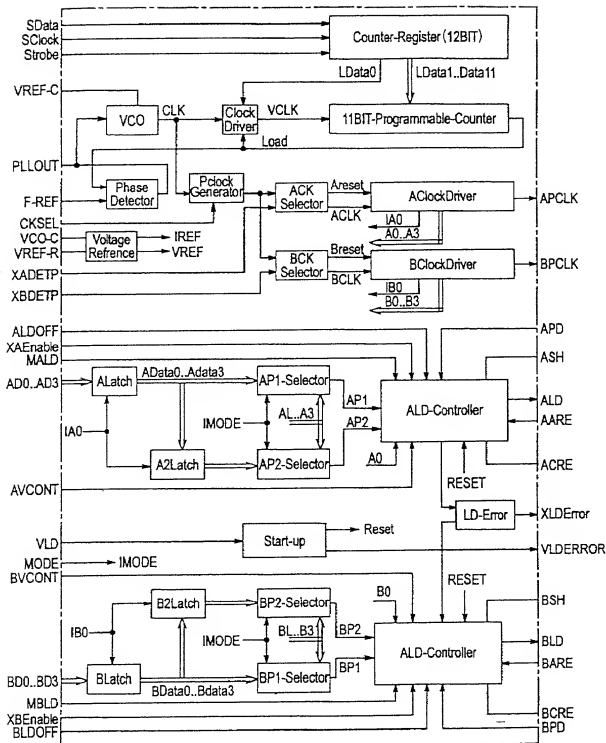


FIG.39

